FIG. 1

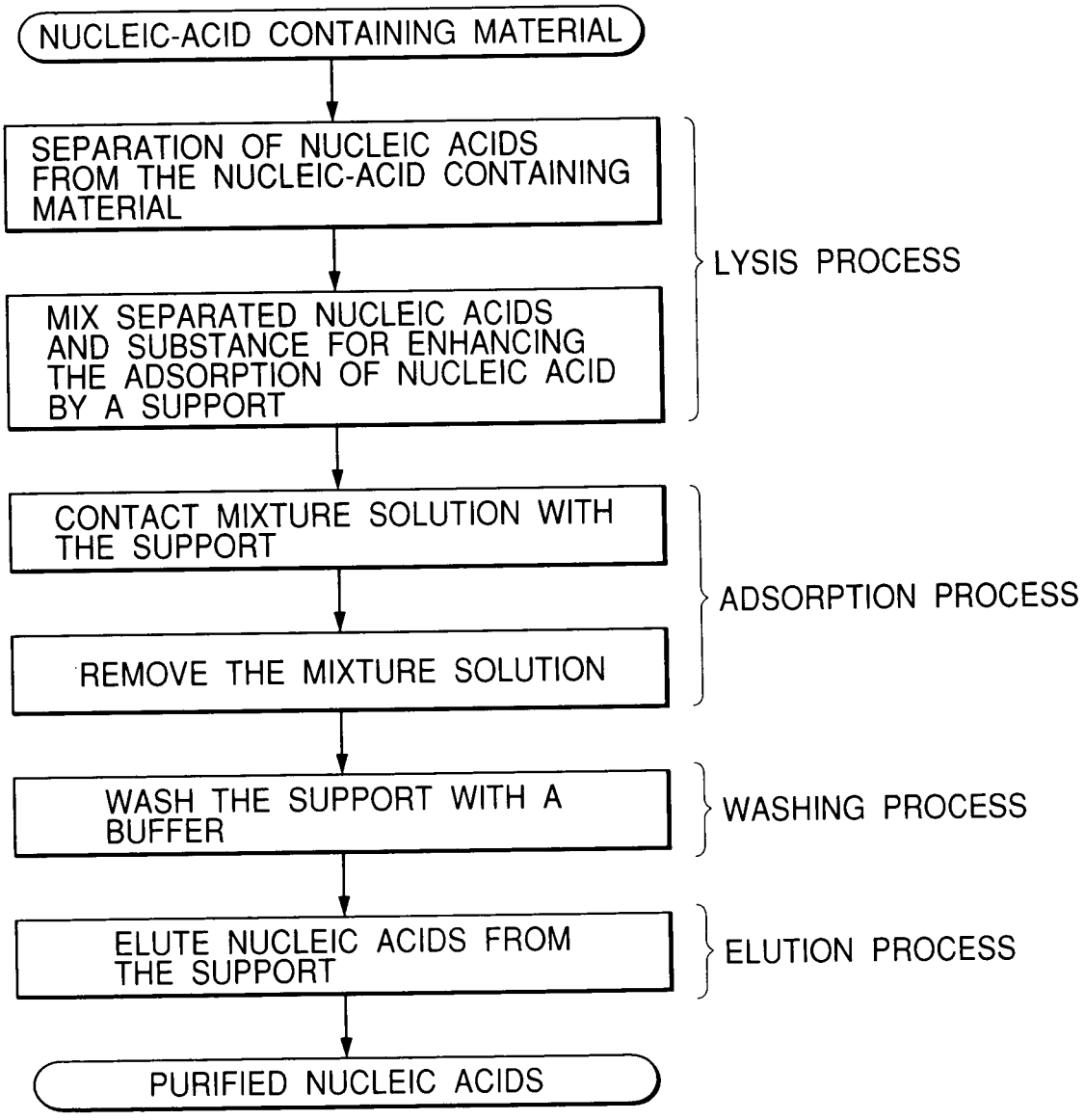

NUCLEIC-ACID CONTAINING MATERIAL
SEPARATION OF NUCLEIC ACIDS FROM THE NUCLEIC-ACID CONTAINING MATERIAL
MIX SEPARATED NUCLEIC ACIDS AND SUBSTANCE FOR ENHANCING THE ADSORPTION OF NUCLEIC ACID BY A SUPPORT
LYSIS PROCESS
CONTACT MIXTURE SOLUTION WITH THE SUPPORT
REMOVE THE MIXTURE SOLUTION
ADSORPTION PROCESS
WASH THE SUPPORT WITH A BUFFER
WASHING PROCESS
ELUTE NUCLEIC ACIDS FROM THE SUPPORT
ELUTION PROCESS
PURIFIED NUCLEIC ACIDS

FIG. 2

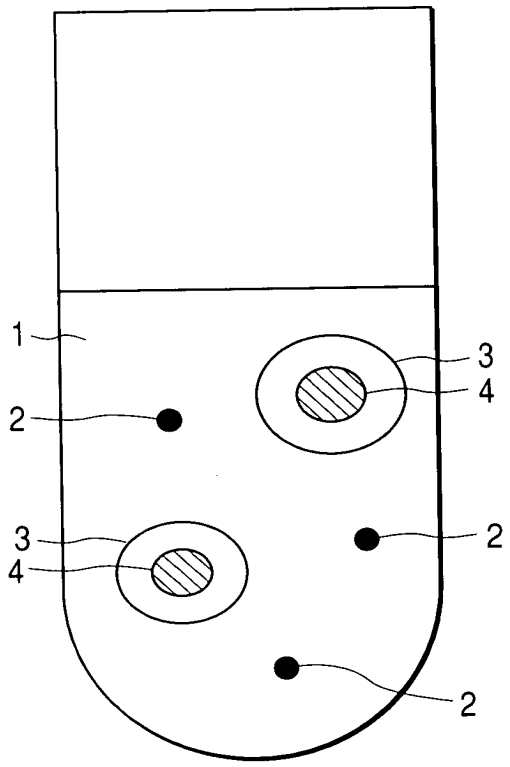
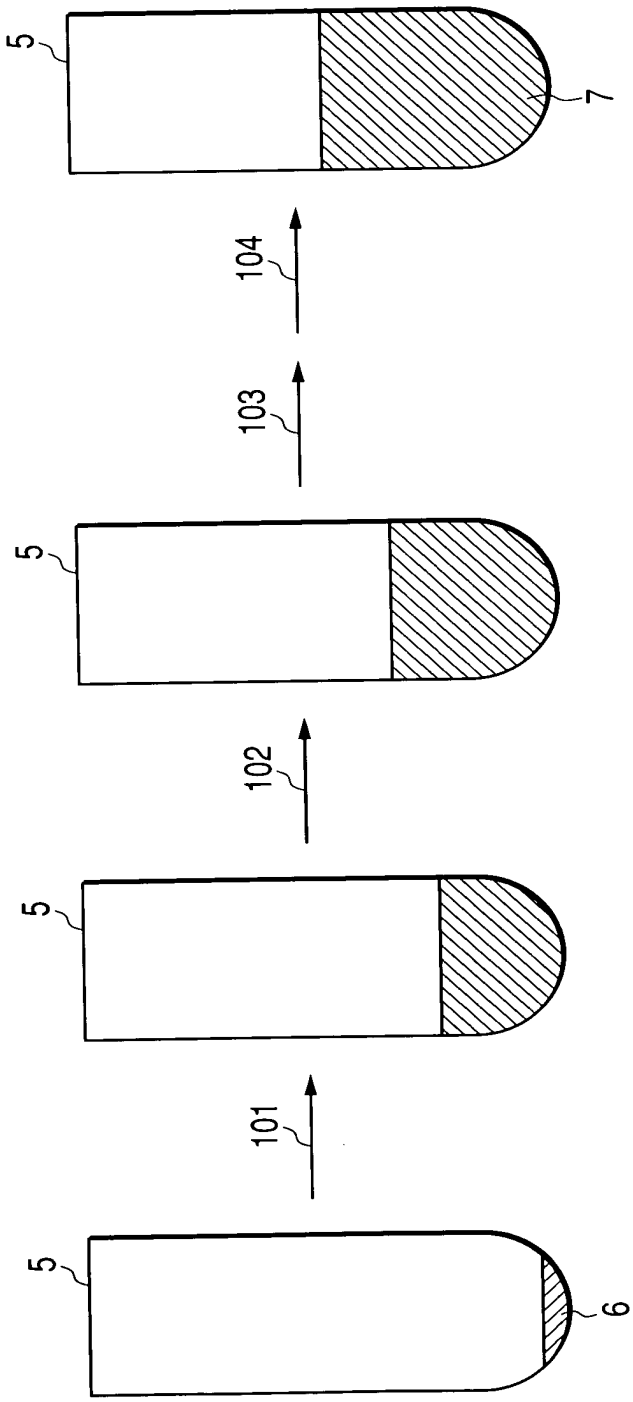


FIG. 3



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FIG. 4

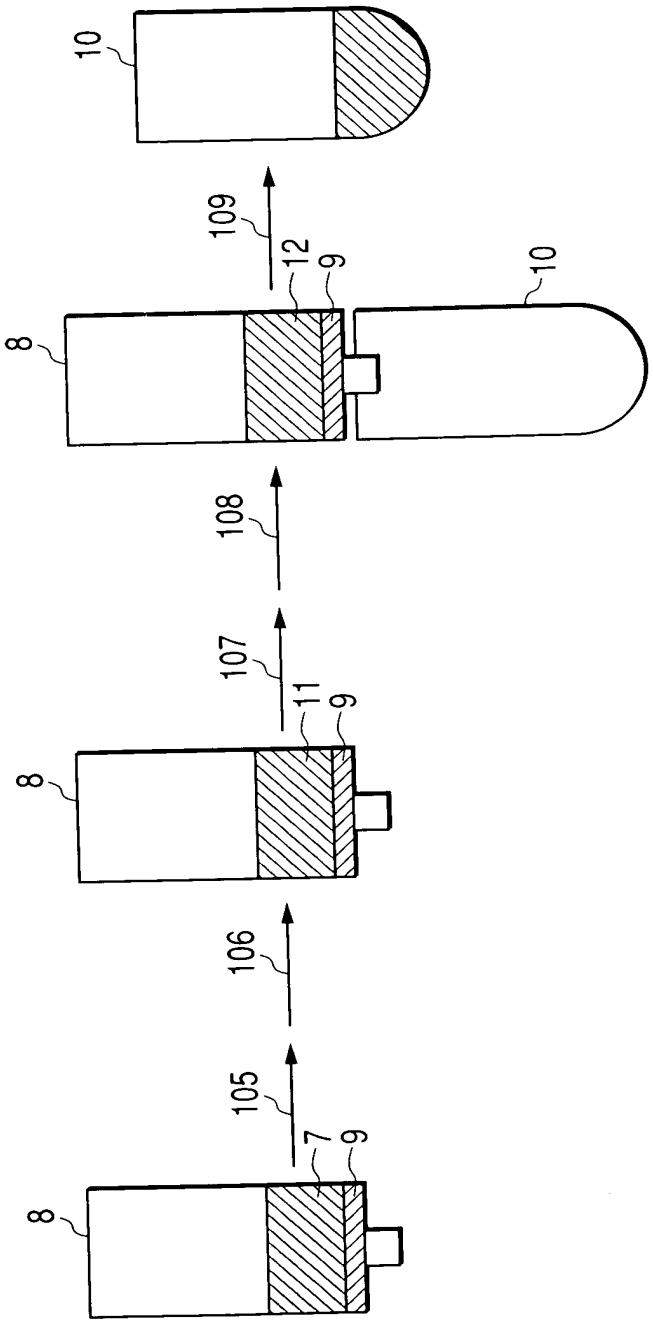


FIG. 5

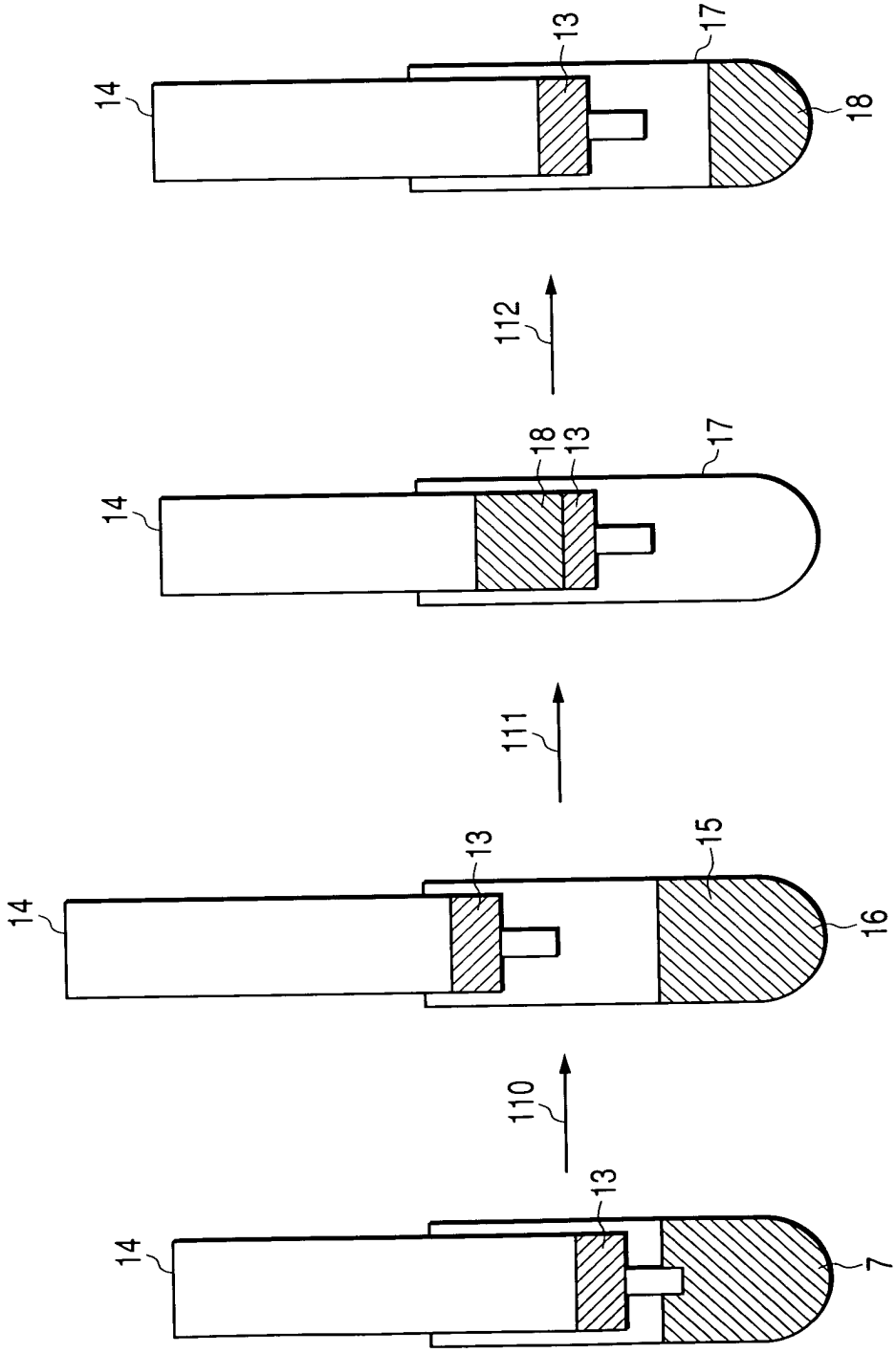


FIG. 6

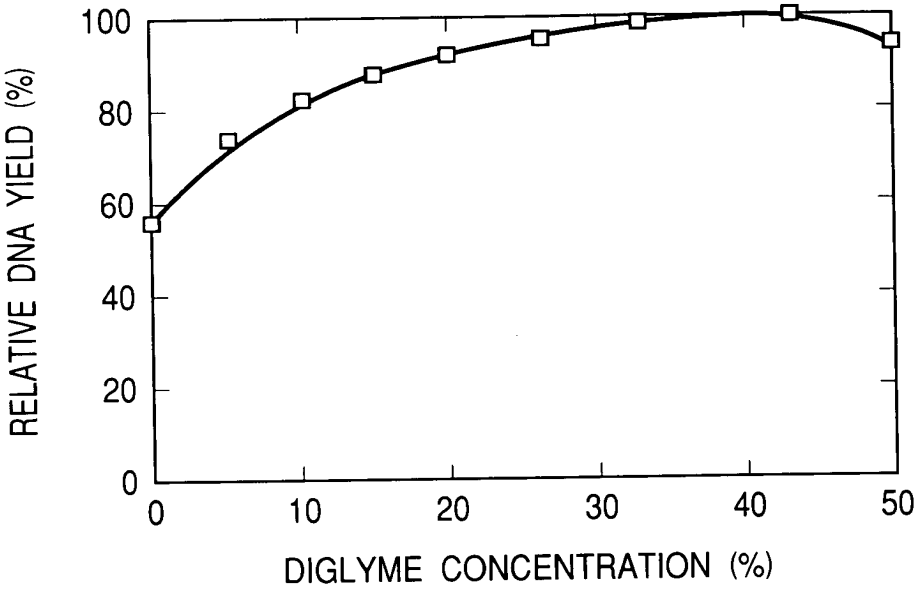

RELATIVE DNA YIELD (%)
100
80
60
40
20
0
0
10
20
30
40
50
DIGLYME CONCENTRATION (%)

FIG. 7

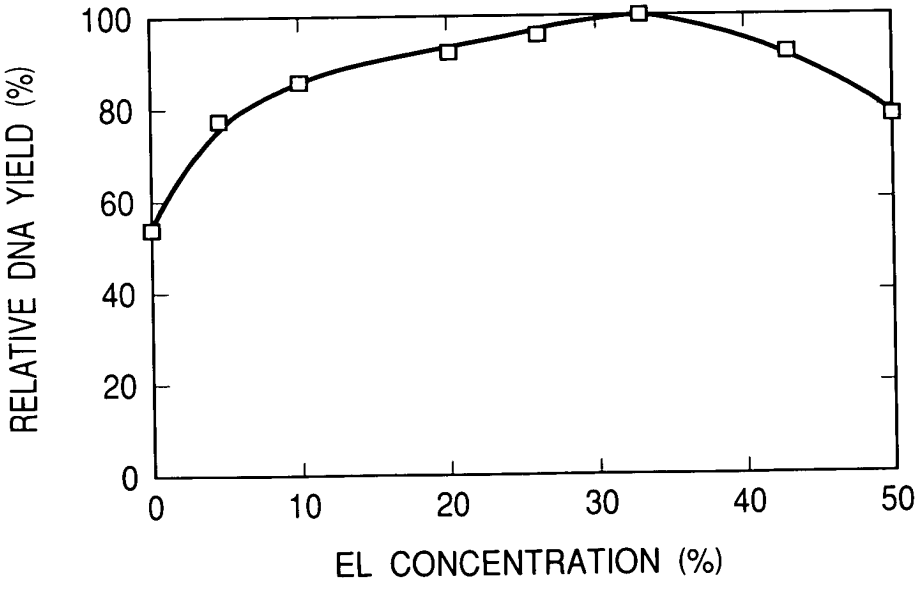

RELATIVE DNA YIELD (%)
100
80
60
40
20
0
0
10
20
30
40
50
EL CONCENTRATION (%)

FIG. 8

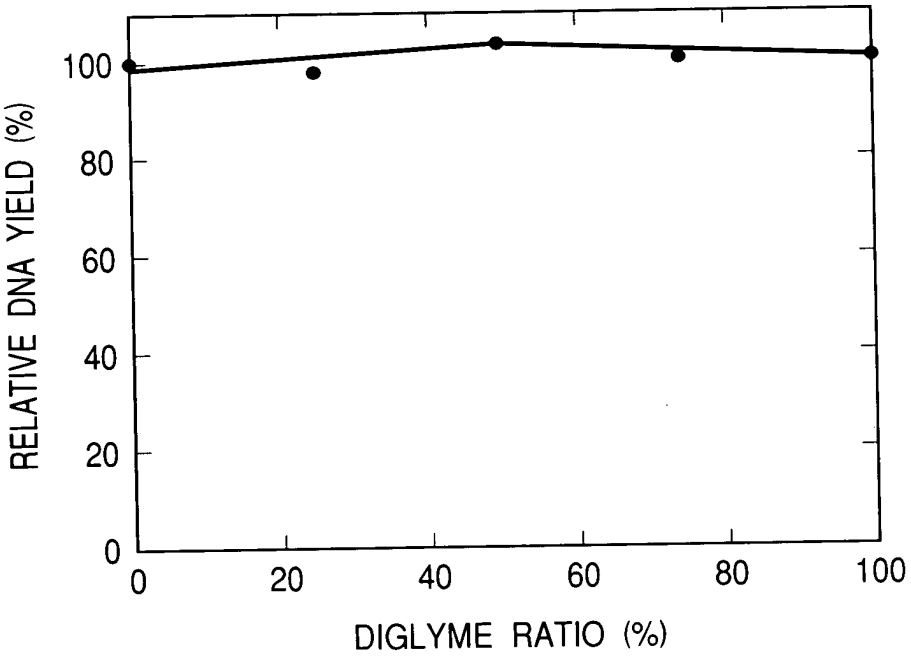

RELATIVE DNA YIELD (%)
100
80
60
40
20
0
0
20
40
60
80
100
DIGLYME RATIO (%)

FIG. 9

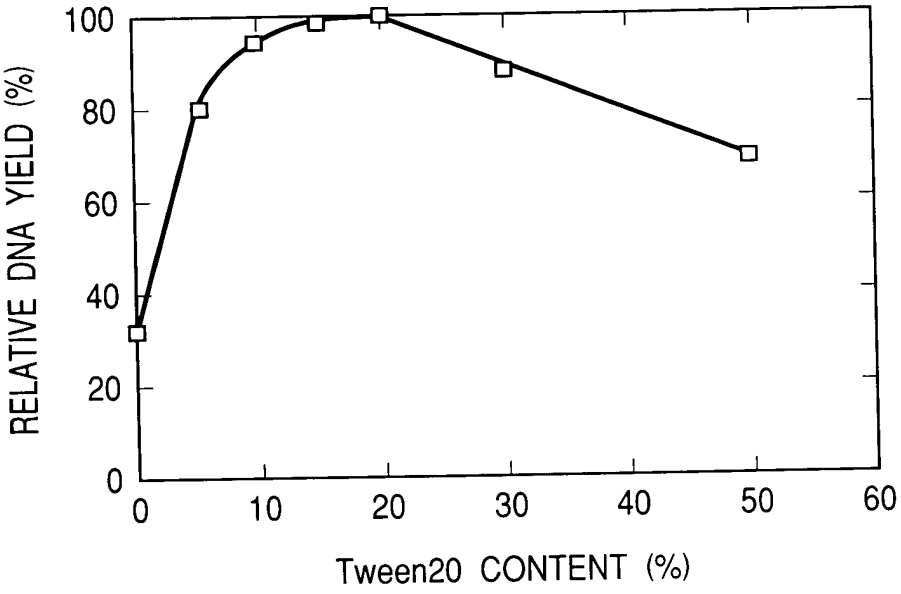

RELATIVE DNA YIELD (%)
100
80
60
40
20
0
0
10
20
30
40
50
60
Tween20 CONTENT (%)

FIG. 10

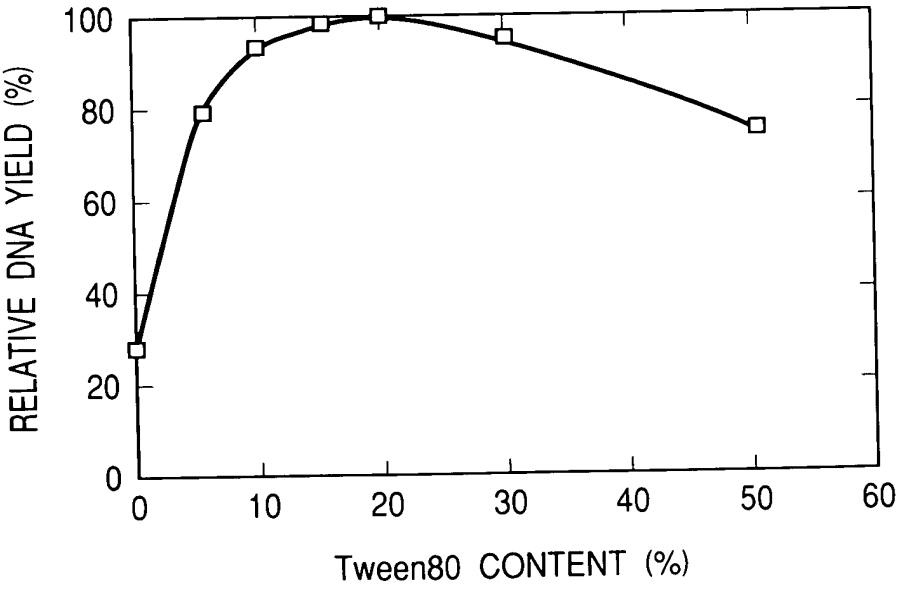

RELATIVE DNA YIELD (%)
100
80
60
40
20
0
0
10
20
30
40
50
60
Tween80 CONTENT (%)

FIG. 11

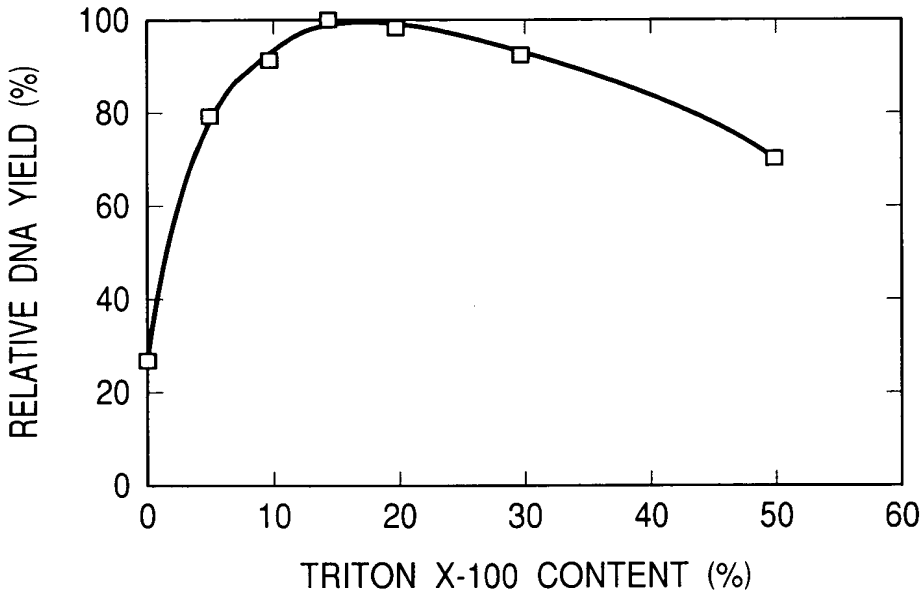
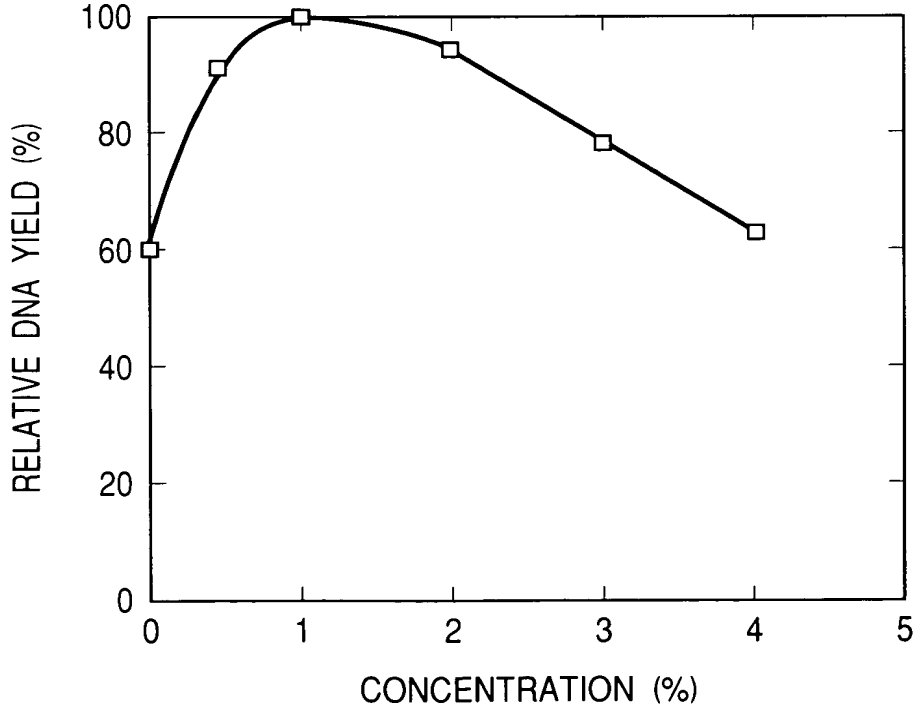

RELATIVE DNA YIELD (%)
100
80
60
40
20
0
0
10
20
30
40
50
60
TRITON X-100 CONTENT (%)

FIG. 12


RELATIVE DNA YIELD (%)
100
80
60
40
20
0
0
1
2
3
4
5
CONCENTRATION (%)